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TITLE: UTILIZATION OF HUMULONES HAVING ANTIOXIDANT ACTION

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INVENTOR-INFORMATION:

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ASAHI BREWERIES LTD

APPL-NO: JP05123142

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ABSTRACT:

PURPOSE: To provide pharmaceuticals, foods, drinks and cosmetics having antioxidant action and containing, as active components, humulones or their salts constituting the main component of a hop soft resin producible from hop used as a raw material for beer.

CONSTITUTION: The pharmaceuticals, foods, drinks or cosmetics having antioxidant action contain one or more kinds of humulones of formula {R is CH(CH₃)₂ (cohumulone), CH₂CH(CH₃)₂ (humulone) or CH (CH₃)CH₂CH₂ (adhumulone)} as active components. Humulones are obtained in the form of cohumulone, humulone or adhumulone or their proper mixture from natural hop using Wollmer's method and optionally using a high-performance liquid chromatography. Humulone having antioxidant action acts as a treating agent for adult diseases, malignant rheumatoid arthritis, lesion such as scald, acne, spot, etc., or an antioxidant or degradation preventing agent for foods and drinks.

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